

Title (en)
CAST COMPONENT FOR MOTOR VEHICLE BODYWORK.

Title (de)
GUSSTEIL FÜR EINE FAHRZEUGKAROSSERIE.

Title (fr)
PIECE COULEE POUR CARROSSERIE DE VEHICULE.

Publication
EP 0561802 B1 19940824

Application
EP 91919153 A 19911108

Priority
• DE 4041022 A 19901220
• EP 9102117 W 19911108

Abstract (en)
[origin: US5383987A] PCT No. PCT/EP91/02117 Sec. 371 Date Jun. 16, 1993 Sec. 102(e) Date Jun. 16, 1993 PCT Filed Nov. 8, 1991 PCT Pub. No. WO92/11170 PCT Pub. Date Jul. 9, 1992. A cast light metal joining element and method of assembly with adjoining extruded light metal hollow section bearer member of a space frame type vehicle body. The joining element or casting includes at least two spaced apart, location points disposed along a surface wall thereof. The location points permit the casting to be held in a corresponding fixture at a desired positionally correct spatial orientation to facilitate the fitting and connection of adjoining frame elements with greater ease, accuracy and smaller tolerances. In one embodiment, the location points include integrally formed conical studs and/or conical depressions. In another embodiment, the location points include through-holes, either straight cylindrical or conically tapered. The studs, depressions and/or holes also served a dual function in providing a positive locking connection to add on components which have corresponding matingly engagable connection surfaces.

IPC 1-7
B62D 29/00; **B62D 27/02**; **B62D 27/06**; **B62D 21/12**; **B60G 15/06**

IPC 8 full level
B62D 25/00 (2006.01); **B60G 15/06** (2006.01); **B62D 21/12** (2006.01); **B62D 25/08** (2006.01); **B62D 27/02** (2006.01); **B62D 27/06** (2006.01); **B62D 29/00** (2006.01)

CPC (source: EP US)
B60G 15/068 (2013.01 - EP US); **B62D 21/12** (2013.01 - EP US); **B62D 25/088** (2013.01 - EP US); **B62D 27/023** (2013.01 - EP US); **B62D 27/06** (2013.01 - EP US); **B62D 29/008** (2013.01 - EP US); **Y10T 156/10** (2015.01 - EP US)

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
US 5383987 A 19950124; DE 59102670 D1 19940929; EP 0561802 A1 19930929; EP 0561802 B1 19940824; ES 2063530 T3 19950101; JP H06504500 A 19940526; WO 9211170 A1 19920709

DOCDB simple family (application)
US 7560093 A 19930616; DE 59102670 T 19911108; EP 9102117 W 19911108; EP 91919153 A 19911108; ES 91919153 T 19911108; JP 51736791 A 19911108